

Mr. John Torres  
Rogers Group, Inc. - Bloomington Asphalt  
P.O. Box 25250  
Nashville, TN 37302

Re: 105-12036-0000  
First Minor Permit Revision to  
FESOP 105-7579-03182

Dear Mr. Torres:

Rogers Group, Inc. - Bloomington Asphalt was issued a permit on June 19, 1997 for operating a batch mix asphalt plant. A letter requesting changes to this permit was received on March 15, 2000. Pursuant to the provisions of 326 IAC 2-8-11.1(d)(3) a minor permit revision to this permit is hereby approved as described in the attached Technical Support Document.

The facility descriptions in Section A.2 on Page 4 of the FESOP shall be revised for the replacement of the existing wet scrubber with a new jet pulse baghouse. So Condition A.2 shall be amended as follows(changes in bold):

A.2 Emission Units and Pollution Control Summary

This source consists of the following emission units and pollution control devices:

- (a) One (1) batch mixer capable of producing 300 tons per hour of asphalt and exhausting through a cyclone (CE2) and ~~scrubber~~ **jet pulse baghouse** (CE1) and exiting through stack S1.
- (b) One (1) 79 million British thermal units per hour natural gas fired aggregate dryer also exhausting through a cyclone (CE2) and ~~scrubber~~ **jet pulse baghouse** (CE1) and exiting through stack S1.
- (c) One (1) cyclone (CE2) with an air flow rate of 60,785 actual cubic feet per minute.
- (d) One (1) ~~Turbine gas scrubber~~ **jet pulse baghouse**(CE1) with ~~a water flow rate of 600 gallons per minute~~ **an air flow rate of 65,000 actual cubic feet per minute.**

The facility descriptions in Section D.2 on Page 23 of the FESOP shall be revised for the replacement of the existing wet scrubber with a new jet pulse baghouse. So Condition D.2 shall be amended as follows(changes in bold):

## SECTION D.1 FACILITY OPERATION CONDITIONS

One (1) batch mixer capable of producing 300 tons per hour of asphalt and exhausting through a cyclone (CE2) and ~~scrubber~~ **jet pulse baghouse** (CE1) and exiting through stack S1.

One (1) 79 million British thermal units per hour natural gas fired aggregate dryer also exhausting through a cyclone (CE2) and ~~scrubber~~ **jet pulse baghouse** (CE1) and exiting through stack S1.

One (1) cyclone (CE2) with an air flow rate of 60,785 actual cubic feet per minute.

One (1) ~~One (1) Turblair gas scrubber~~ **jet pulse baghouse**(CE1) with ~~a water flow rate of 600-gallons per minute~~ **an air flow rate of 65,000 actual cubic feet per minute.**

The monitoring conditions on Page 23 and 24 of the FESOP shall be revised for the replacement of the existing wet scrubber with a new jet pulse baghouse. So Conditions D.1.5 and D.1.6 shall be amended as follows(changes in bold):

### D.1.5 Daily and Weekly Visible Emissions Observations

- (a) The Permittee shall perform daily visible emissions observations per a method approved by the OAM to determine compliance with operation condition D.1.1.
- (b) The Permittee shall perform weekly visible emissions observations on the cyclone, ~~scrubber~~, **jet pulse baghouse**, scavenger system ductwork and associated components (e.g., hoppers, etc.) for evidence of fugitive emissions, holes, corrosion, audible leaks, and the like. This does not require the use of a certified visible emissions reader.

In the event that visible emissions are detected above the limit required by operation condition D.1.1 or any visible emissions are detected on the external cyclone and ~~scrubber~~, **jet pulse baghouse**, components, the Corrective Action Contingency Plan shall be implemented. Corrective action shall be taken within 8 hours of discovery. If the initial corrective action plan does not correct the problem, then additional corrective actions shall be devised within 8 hours of discovery and shall include a timetable for completion. The corrective actions shall be implemented immediately in accordance with those timetables.

### D.1.6 ~~Pressure and Water Flow Rate~~ **Drop** Readings

~~The Permittee shall take pressure and scrubbing liquid (water) flow rate readings from the scrubber controlling the aggregate drying operation, every four hours while the dryer is in operation. Unless operated under conditions for which the Preventive Maintenance Plan specifies otherwise, the pressure drop across the scrubber shall be maintained within the range of 7.0 and 10.0 inches of water and the flow rate for scrubbing liquid shall be maintained at approximately 600 gallons of water per minute or a range and flow rate established during the latest stack test. The Preventive Maintenance Plan for this unit shall contain troubleshooting contingency and corrective actions for when the pressure reading or scrubbing liquid (water) flow rate is outside of the above mentioned range for any one reading.~~

**The Permittee shall record the total static pressure drop across the baghouse used in conjunction with the aggregate dryer and batch mixer, at least once a day when the dryer or mixer is in operation. Unless operated under conditions for which the Preventive Maintenance Plan specifies otherwise, the pressure drop across the baghouse shall be**

**maintained within a range of 3.0 and 6.0 inches of water or a range established during the latest stack test. The Preventive Maintenance Plan for this unit shall contain troubleshooting contingency and corrective actions for when the pressure drop reading is outside of the above mentioned range for any one reading. The baghouse shall shutdown for visual inspection within 24 hours and bags shall be replaced as needed.** The instrument used for determining the pressure shall comply with Condition C.14 - Pressure Gauge Specifications, be subject to approval by IDEM, OAM, and shall be calibrated at least once every six (6) months.

**The inlet temperature to the baghouse shall be maintained within a range of 200-400 degrees Fahrenheit (°F) to prevent overheating of the bags and to prevent low temperatures from mudding up the bags. The thermocouple at the inlet has a temperature switch which automatically shuts the burner off if the high end range is exceeded. In the event that bag failure has occurred due to rupture, melting, etc., corrective action shall be taken. The Preventive Maintenance Plan for this unit shall contain troubleshooting contingency and corrective actions for when the inlet temperature reading is outside of the above mentioned range for any one reading. The baghouse shall shutdown for visual inspection within 24 hours and bags shall be replaced as needed.**

The following construction conditions are applicable to the proposed project:

1. General Construction Conditions  
The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Management (OAM).
2. This approval to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.
3. Effective Date of the Permit  
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.
4. Pursuant to 326 IAC 2-1.1-9 (Revocation), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.
5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.

Pursuant to 326 IAC 2-8-11.1, this permit shall be revised by incorporating the minor permit revision into the permit. All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this modification and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5.  
If you have any questions on this matter, please contact Shantanu S. Pahi, OAM, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, or call at (800) 451-6027, press 0 and ask for Shantanu S. Pahi or extension 3-0868, or dial (317) 233-0868.

Sincerely,

Paul Dubenetzky, Chief  
Permits Branch  
Office of Air Management

Attachments: Amended FESOP Pages( 3 Pages.)

Spahi

cc: File - Monroe County  
U.S. EPA, Region V  
Monroe County Health Department  
Air Compliance Section Inspector - Joe Foyst  
Compliance Data Section - Karen Nowak  
Administrative and Development - Janet Mobley  
Technical Support and Modeling - Michele Boner

**FEDERALLY ENFORCEABLE STATE  
OPERATING PERMIT (FESOP)  
OFFICE OF AIR MANAGEMENT**

**Rogers Group, Inc. - Bloomington Asphalt  
1100 Oard Road  
Bloomington, Indiana 47401**

(Herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the facilities listed in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR 70 and contains the conditions and provisions specified in 326 IAC 2-8 and 40 CFR 70.6 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments) and IC 13-15 and IC 13-17 (prior to July 1, 1996, IC 13-1-1-4 and IC 13-7-10).

Operation Permit No.: F 105-7579-03182	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date: June 19, 1997

First Minor Permit Revision No.: 105-12036	Pages Affected: 4, 23 and 24
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date:

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## SECTION A SOURCE SUMMARY

### A.1 General Information

The Permittee owns and operates a batch mix asphalt plant with a maximum capacity of 300 tons per hour.

Responsible Official: John P. Torres  
Source Address: 1100 Oard Road, Bloomington, Indiana 47401  
Mailing Address: P.O. Box 25250, Nashville, Tennessee 37202-5250  
SIC Code: 2951  
County Location: Monroe  
County Status: Attainment for all criteria pollutants  
Source Status: Synthetic Minor Source, FESOP Program

### A.2 Emission Units and Pollution Control Summary

This source consists of the following emission units and pollution control devices:

- (a) One (1) batch mixer capable of producing 300 tons per hour of asphalt and exhausting through a cyclone (CE2) and jet pulse baghouse (CE1) and exiting through stack S1.
- (b) One (1) 79 million British thermal units per hour natural gas fired aggregate dryer also exhausting through a cyclone (CE2) and jet pulse baghouse (CE1) and exiting through stack S1.
- (c) One (1) cyclone (CE2) with an air flow rate of 60,785 actual cubic feet per minute.
- (d) One (1) jet pulse baghouse (CE1) with an air flow rate of 65,000 actual cubic feet per minute.
- (e) Four (4) emulsified asphalt storage tanks (TV4, TV5, TV6, TV7) with capacities of 25,000 gallons, each.
- (f) Two (2) liquid asphalt storage tanks (TV2, TV3) with capacities of 25,000 gallons each, heated by a 2.50 million British thermal units per hour natural gas fired heater.

### A.3 Insignificant Activities

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(20):

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour.
- (b) A petroleum fuel, other than gasoline, dispensing facility, having a storage capacity of less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month.
- (c) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment

### A.4 FESOP Applicability [326 IAC 2-8-2]

This stationary source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Management (OAM) for a Federally Enforceable State Operating Permit (FESOP).



A.5 Prior Permit Conditions Superseded [326 IAC 2]

This permit supersedes the conditions of all construction and operating permits issued under 326 IAC 2 prior to the effective date of this permit.

## **SECTION B GENERAL CONDITIONS**

- B.1 General Requirements [IC 13-15] [IC 13-17] (Prior to July 1, 1996: IC 13-7 and IC 13-1-1)  
The Permittee shall comply with the provisions of IC 13-15 (Permits Generally), IC 13-17 (Air Pollution Control) and the rules promulgated thereunder.
- B.2 Definitions [326 IAC 2-8-1]  
Terms in this permit shall have the meaning assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, any applicable definitions found in IC 13-11 (prior to July 1, 1996, IC 13-7-2, IC 13-1-1-2), 326 IAC 1-2, and 326 IAC 2-7 shall prevail.
- B.3 Permit Term [326 IAC 2-8-4(2)]  
This permit is issued for a fixed term of five (5) years from the effective date, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-5-5-3 (prior to July 1, 1996, IC 13-7-10-2.5), of the permit.
- B.4 Enforceability [326 IAC 2-8-6]  
(a) All terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM.  
(b) Unless otherwise stated, terms and conditions of this permit, including any provisions to limit the source's potential to emit, are enforceable by the United States Environmental Protection Agency (U.S. EPA) and citizens under the Clean Air Act.
- B.5 Termination of Right to Operate [326 IAC 2-8-9]  
The expiration of this permit terminates the Permittee's right to operate unless a timely and complete renewal application has been submitted consistent with 326 IAC 2-8-3(h) and 326 IAC 2-8-7.
- B.6 Severability [326 IAC 2-8-4(4)]  
(a) The provisions of this permit are severable, and if any provisions of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.  
(b) Indiana rules from 326 IAC quoted in conditions in this permit are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a FESOP under 326 IAC 2-8.
- B.7 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]  
This permit does not convey any property rights of any sort or any exclusive privilege.
- B.8 Duty to Supplement and Provide Information [326 IAC 2-8-3(f)] [326 IAC 2-8-4(5)(E)]  
(a) The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to:

Indiana Department of Environmental Management  
Permits Branch, Office of Air Management  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46206-6015

- (b) The Permittee shall furnish to IDEM, OAM, within a reasonable time, any information that IDEM, OAM may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit.
- (c) Upon written request, the Permittee shall also furnish to IDEM, OAM copies of records required to be kept by this permit. For information claimed to be confidential, the Permittee shall furnish such records directly to both U.S. EPA and IDEM, OAM along with a claim of confidentiality.

Such confidentiality claims shall meet the requirements of 40 CFR 2, Subpart B (when submitting to U.S. EPA) and 326 IAC 17 (when submitting to IDEM, OAM).

B.9 Compliance Order Issuance [326 IAC 2-8-5(b)]

IDEM, OAM may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.

B.10 Compliance with Permit Conditions [326 IAC 2-8-4(5)(A)] [326 IAC 2-8-4(5)(B)]

- (a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for:
  - (1) Enforcement action;
  - (2) Permit termination, revocation and reissuance, or modification; and
  - (3) Denial of a permit renewal application.
- (b) It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

B.11 Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)]

Any application form, report, or compliance certification submitted under this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification and any other certification required under this permit shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

A responsible official is defined at 326 IAC 2-7-1(33).

B.12 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

- (a) The Permittee shall annually certify that the source has complied with the terms and conditions contained in this permit, including emission limitations, standards, and work practices. The certification shall be submitted July 1 to:

Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Management  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46206-6015

- (b) This annual compliance certification report required by this permit shall be timely if:
  - (1) Delivered by U.S. mail and postmarked on or before the date it is due; or
  - (2) Delivered by any other method if it is received and stamped by IDEM, OAM, on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
  - (1) The identification of each term and condition of this permit that is the basis of the certification;
  - (2) The compliance status;
  - (3) Whether compliance was continuous or intermittent;
  - (4) The methods used for determining the compliance status of the source, currently and over the reporting period.

B.13 Preventive Maintenance Plan [326 IAC 2-8-5(a)(1)] [326 IAC 2-8-4(9)] [326 IAC 1-6-3]

- (a) The Permittee shall prepare, maintain and implement Preventive Maintenance Plans as necessary including the following information on each:
  - (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
  - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions;
  - (3) Corrective actions that will be implemented in the event an inspection indicates an out of specification situation;
  - (4) A time schedule for taking such corrective actions including a schedule for devising additional corrective actions for situations that may not have been predicted; and
  - (5) Identification and quantification of the replacement parts which will be maintained in inventory for quick replacement.
- (b) Preventive Maintenance Plans shall be submitted to IDEM, OAM, upon request and shall be subject to review and approval by IDEM, OAM.

B.14 Emergency Provision [326 IAC 2-8-12]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation, except as provided as follows:
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describes the following:

- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
- (2) The permitted facility was at the time being properly operated;
- (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements of this permit;
- (4) For each emergency lasting longer than one (1) hour, the Permittee notified IDEM, OAM, within four (4) daytime business hours after the beginning of the emergency occurrence by telephone or facsimile;

Telephone No.: 1-800-451-6027 (ask for Office of Air Management, Compliance Section) or,  
Telephone No.: 317-233-5674 (ask for Compliance Section)  
Facsimile No.: 317-233-5967

- (5) For each emergency lasting longer than one (1) hour, the Permittee submitted written notice or facsimile of the emergency to:

Indiana Department of Environmental Management  
Compliance Branch, Office of Air Management  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46206-6015

within two (2) working days of the time when emission limitations were exceeded due to the emergency. The notice shall fulfill the requirement of 326 IAC 2-8-4(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and
- (C) Corrective actions taken.

- (6) The Permittee immediately took all reasonable steps to correct the emergency.

The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(C)(33).

- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes any emergency or upset provision contained in 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) IDEM, OAM, may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.

- (f) Failure to notify IDEM, by telephone or facsimile within four (4) daytime business hours after the beginning of the emergency shall constitute a violation of 326 IAC 2-8 and any other applicable rules.
- (g) Operations may continue during an emergency only if the following conditions are met:
  - (1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
  - (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
    - (A) the Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and
    - (B) continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

Any operations shall continue no longer than the minimum time required to prevent the situations identified in clause (B) above.

- B.15 Deviations from Permit Requirements and/or Conditions [326 IAC 2-8-4(3)(C)(ii)]  
Deviations from requirements, (for emergencies see Section B - Emergency Provision) the probable cause of such deviations, and any corrective actions or preventive measures taken shall be reported to:

Indiana Department of Environmental Management  
Compliance Branch, Office of Air Management  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46206-6015

within ten (10) calendar days from the date of the discovery of the deviation.

Written notification shall be submitted on the attached Deviation Occurrence Reporting Forms or their substantial equivalent.

- B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination  
[326 IAC 2-8-4(5)(C)] [326 IAC 2-8-7(a)] [326 IAC 2-8-8(a)] [326 IAC 2-8-8(b)] [326 IAC 2-8-8(c)]
- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)]
  - (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 (prior to July 1, 1996, in IC 13-7-10-5) or if the Commissioner determines any of the following:

- (1) That it contains a material mistake.
- (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
- (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]
- (c) Proceedings by IDEM, OAM, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practical. [326 IAC 2-8-8(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAM, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAM, may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

B.17 Permit Renewal [326 IAC 2-8-3(h)]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAM, and shall include, at minimum, the information specified in 326 IAC 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(20).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management  
Permits Branch, Office of Air Management  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, IN 46206-6015

- (b) Timely Submittal of Permit Renewal [326 IAC 2-8-3]
  - (1) The Permittee has a duty to submit a timely and complete permit renewal application. A timely renewal application is one that is:
    - (A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
    - (B) Delivered by U.S. mail and postmarked on or before the date it is due; or
    - (C) Delivered by any other method if it is received and stamped by IDEM, OAM, on or before the date it is due.
  - (2) If IDEM, OAM fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied.

- (c) **Right to Operate After Application for Renewal** [326 IAC 2-8-9]  
If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAM takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAM, any additional information identified as needed to process the application.

**B.18 Administrative Permit Amendment** [326 IAC 2-8-10]

- (a) An administrative permit amendment is a FESOP revision that makes changes of the type specified under 326 IAC 2-8-10(a).
- (b) An administrative permit amendment may be made by IDEM, OAM, consistent with the procedures specified under 326 IAC 2-8-10(b).
- (c) The Permittee may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

**B.19 Minor Permit Modification** [326 IAC 2-8-11(a)] [326 IAC 2-8-11(b)(1) and (2)]

- (a) A permit modification is any revision to this permit that cannot be accomplished as an administrative permit amendment under 326 IAC 2-8-10.
- (b) Minor permit modification procedures shall follow the procedures specified under 326 IAC 2-8-11(b)(1)(A) through (F).
- (c) An application requesting the use of minor modification procedures shall meet the requirements of 326 IAC 2-8-3(c) and shall include the information required in 326 IAC 2-8-11(b)(3)(A) through (D).
- (d) The Permittee may make the change proposed in its minor permit modification application immediately after it files such application unless the change is subject to the construction permit requirements of 326 IAC 2-1, 326 IAC 2-2, or 326 IAC 2-3. After the Permittee makes the change allowed under minor permit modification procedures, and until IDEM, OAM takes any of the actions specified in 326 IAC 2-8-11(b)(5), the Permittee must comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this period, the Permittee need not comply with the existing permit terms and conditions it seeks to modify. If the Permittee fails to comply with its proposed permit terms and conditions during this time period, the existing permit terms and conditions it seeks to modify may be enforced against it. [326 IAC 2-8-11(b)(6)]

**B.20 Significant Permit Modification** [326 IAC 2-8-11(d)]

- (a) Significant modification procedures shall be used for applications requesting permit modifications that do not qualify as minor permit modifications or as administrative amendments.
- (b) Any significant change in existing monitoring permit terms or conditions and every relaxation of reporting or record keeping permit terms or conditions of this permit shall be considered significant.
- (c) Nothing in 326 IAC 2-8-11(d) shall be construed to preclude the Permittee from making changes consistent with 326 IAC 2-8 that would render existing permit compliance terms and conditions irrelevant.



- (d) Significant modifications of this permit shall meet all requirements of 326 IAC 2-8, including those for application, public participation, and review by U.S. EPA, as they apply to permit issuance and renewal.

B.21 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-8-11(b)(2)]  
Notwithstanding 326 IAC 2-8-11(b)(1)(D)(i) and 326 IAC 2-8-11(c)(1), minor permit modification procedures may be used for modifications of this permit involving the use of economic incentives, marketable FESOP's, emissions trading, and other similar approaches to the extent that such minor permit modification procedures are explicitly provided for in the applicable implementation plan (SIP) or in applicable requirements promulgated by U.S. EPA.

B.22 Operational Flexibility [326 IAC 2-8-15]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-8-15(b) through (d), without prior permit revision, if each of the following conditions is met:

- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
- (2) The changes do not result in emissions which exceed the emissions allowable under this permit (whether expressed therein as a rate of emissions or in terms of total emissions);
- (3) The Permittee notifies the:

Indiana Department of Environmental Management  
Permits Branch, Office of Air Management  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46206-6015

and

United States Environmental Protection Agency, Region V  
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

- (4) The Permittee maintains records on-site which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-8-15(b) through (d) and makes such records available, upon reasonable request, to public review. Such records shall consist of all information required to be submitted to IDEM, OAM, in the notices specified in 326 IAC 2-8-15(b)(1), (c)(1), and (d).
- (b) For each such change, the required written notification shall include the following:
    - (1) A brief description of the change within the source;
    - (2) The date on which the change will occur;

- (3) Any change in emissions; and
- (4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(C)(33).

- (c) **Emission Trades** [326 IAC 2-8-15(c)]  
The Permittee may trade increases and decreases in emissions in the source, where the applicable State Implementation Plan (SIP) provides for such emission trades without requiring a permit revision, subject to the constraints in Section (a) of this condition and those in 326 IAC 2-8-15(c).
- (d) **Alternative Operating Scenarios** [326 IAC 2-8-15(d)]  
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7) and subject to the constraints in Section (a) of this condition and those in 326 IAC 2-8-15(d).

B.23 **Construction Permit Requirement** [326 IAC 2-1]  
Modification, construction, or reconstruction shall be permitted as required by and in accordance with 326 IAC 2.

B.24 **Inspection and Entry** [326 IAC 2-8-5(a)(2)]  
Upon presentation of IDEM identification cards, credentials, and other documents as may be required by law, the Permittee shall allow IDEM, OAM, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a FESOP source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;
- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) Sample or monitor, at reasonable times, substances or parameters for the purpose of demonstrating compliance with this permit or applicable requirements; and
- (e) Utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of demonstrating compliance with this permit or applicable requirements.  
[326 IAC 2-8-5(a)(4)]

B.25 **Annual Fee Payment** [326 IAC 2-8-4(6)] [326 IAC 2-8-16]  
(a) The Permittee shall pay annual fees to IDEM, OAM, consistent with the fee schedule established in 326 IAC 2-8-16.  
(b) Failure to pay may result in administrative enforcement action, revocation of this permit, referral to the Office of Attorney General for collection, or other appropriate measures.

- (c) The Permittee shall pay the annual fee within thirty (30) calendar days of receipt of a billing by IDEM, OAM or in a time period that is consistent with the payment schedule issued by IDEM, OAM.
- (d) If the Permittee does not receive a bill from IDEM, OAM, thirty (30) calendar days before due date, the Permittee shall call the following telephone numbers: 1-800-451-6027 or 317-233-0178 (ask for OAM, Data Support Section), to determine the appropriate permit fee. The applicable fee is due April 1 of each year.

## SECTION C SOURCE OPERATION CONDITIONS

Entire Source
---------------

### Emissions Limitations [326 IAC 2-8-4(1)]

#### C.1 Overall Source Limit [326 IAC 2-8]

Pursuant to 326 IAC 2-8, emissions of any regulated pollutant from the entire source shall not exceed ninety-nine (99) tons per three hundred sixty five (365) day period. Emissions of hazardous air pollutants (HAPs) from the entire source shall not exceed nine (9) tons per three hundred sixty five (365) day period of any individual HAP or twenty-four (24) tons per three hundred sixty five (365) day period of any combination of HAPs. Emissions shall include those from all emission points at the source including those that are insignificant as defined in 326 IAC 2-7-1(20). The source shall be allowed to add insignificant activities not already listed in this permit, as long as the total emissions from the source do not exceed the above specified limits. In the event that any condition or combination of conditions in Section D of this permit differs from the above, the most restrictive limit will prevail.

#### C.2 Opacity

Pursuant to 326 IAC 5-1-2 (Visible Emissions Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), visible emissions shall meet the following, unless otherwise stated in this permit:

- (a) Visible emissions shall not exceed an average of forty percent (40%) opacity in twenty-four (24) consecutive readings,
- (b) Visible emissions shall not exceed sixty percent (60%) opacity for more than a cumulative total of fifteen (15) minutes (60 readings) in a six (6) hour period.
- (c) Unless otherwise stated in section D.

#### C.3 Open Burning

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6.

#### C.4 Fugitive Dust Emissions

The Permittee shall be in violation of 326 IAC 6-4 if any of the criteria specified in 326 IAC 6-4-2 (1) through (4) are violated.

#### C.5 Fugitive Particulate Matter Emission Limitations

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the plan submitted on December 13, 1996. The plan consists of:

- (a) Cleaning paved roads and parking lots by sweeping on an as needed basis (monthly minimum). Power brooming paved parking lots while wet.
- (b) Paving unpaved roads with asphalt. Treating with emulsified asphalt as needed. Treating with water as needed. Double chip and seal the road surface and maintain on an as needed basis.

- (c) Maintain minimum size and number of stock piles of aggregate. Treat around the stockpile with emulsified asphalt on an as needed basis. Treat around the stockpile with water as needed. Treat the stockpiles with water as needed.
- (d) Apply water at the feed and the intermediate points of the conveyers as needed.
- (e) Minimize the vehicular distance between transfer points of aggregates. Enclose the transfer points. Apply water to the transfer points on an as-needed basis.
- (f) Tarp aggregate hauling vehicles. Maintain vehicle bodies to prevent leakage. Spray aggregates with water during transport. Maintain a 10 mile per hour speed limit in the yard.
- (g) Reduce free fall distance during loading and unloading of the aggregate. Reduce the rate of discharge of the aggregate. Spray the aggregate with water on an as needed basis.

C.6 Volatile Organic Compounds (VOC)

That pursuant to 326 IAC 8-5 the permittee shall not allow the use of asphalt emulsion containing more than 7 percent oil distillate by volume of emulsion, except as used for the following purposes:

- (a) penetrating prime coating,
- (b) stockpile storage mix, and
- (c) application during the months of November, December, January, February, and March.

C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18-1]

Prior to the commencement of any demolition or renovation activities, the Permittee shall use an Indiana accredited asbestos inspector to inspect thoroughly the affected facility or part of the facility where the demolition or renovation operation will occur for the presence of asbestos, including category I and Category II nonfriable asbestos-containing material.

C.8 Stratospheric Ozone Depleting Substance Regulations [326 IAC 22-1] [40 CFR 82]

The Permittee shall comply with the provisions of 40 CFR 82 on the protection of stratospheric ozone.

C.9 Operation of Equipment [326 IAC 2-85(a)(4)]

- (a) All equipment that potentially might emit pollutants into the ambient air shall be properly operated to meet the requirements of this permit and maintained according to the Preventive Maintenance Plan.
- (b) Unless otherwise stated in this permit, all air pollution control equipment listed in this permit shall be operated at all times that the emission unit(s) vented to the control equipment is in operation.
- (c) The Permittee shall perform all necessary maintenance according to the Preventive Maintenance Plan and make all necessary attempts to keep all air pollution control equipment in proper operating condition at all times such that the requirements of this permit are met.

C.10 Performance Testing

Compliance testing shall be conducted on the aggregate dryer/mixer stack for particulate matter - 10 microns within 180 days of issuance of the FESOP, the Permittee shall perform the tests specified in this permit to demonstrate compliance with the applicable rule or permit condition. All testing shall be performed according to the provisions of 326 IAC 3-2.1 (Source Sampling Procedures) and by methods in the approved test protocol. The test protocol shall be submitted to:

Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Management  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46206-6015

at least thirty-five (35) days before the intended test date.[326 IAC 3-2.1-2(a)]

**Compliance Monitoring [326 IAC 2-8-5(a)(1)]**

C.11 Compliance Monitoring [326 IAC 2-8-4(3)]

Compliance with applicable requirements shall be documented in accordance with the provisions of 326 IAC 2-8-4(3). The Permittee shall be responsible for installing any necessary equipment and initiating any additional monitoring no more than ninety (90) days after receipt of this permit. If due to circumstances beyond its control, this schedule cannot be met, the Permittee shall notify:

Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Management  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46206-6015

in writing, with full justification of the reasons for inability to meet this date and a schedule which it expects to meet. If a denial of the request is not received before the monitoring is fully implemented, the schedule shall be deemed approved.

The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(C)(33).

C.12 Maintenance of Monitoring Equipment [326 IAC 2-8-4(3)(a)(iii)]

The Permittee shall perform all necessary maintenance and make all necessary attempts to keep all required monitoring equipment in proper operating condition at all times. In the event that a breakdown of the monitoring equipment occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.

The Permittee shall install, calibrate, quality assure, maintain, and operate all necessary monitors and related equipment. Preventive Maintenance Plans of the monitors shall be implemented. In addition prompt correction, as indicated, shall be initiated within the time frames specified, whenever the parameters monitored fall outside of the indicated values.

C.13 Monitoring Methods [326 IAC 3]

Any monitoring or testing performed to meet the requirements of this permit shall be performed, whenever applicable according to the provisions of 326 IAC 3, or 40 CFR 60, Appendix A, as appropriate, unless some other method is specified in this permit.

C.14 Pressure Gauge Specifications

Whenever a condition in this permit requires the taking of pressure drop across any part of the unit or its control device the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ( $\pm 2\%$ ) of full scale reading.

C.15 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18-1] [40 CFR 61.140]

(a) Notification Requirements

- (1) The Permittee shall provide IDEM, OAM and U.S. EPA a written notice of intention to demolish or renovate and update such notice as necessary, including, but not limited to, the following:
  - (A) when the amount of affected asbestos-containing material increases or decreases by at least twenty percent (20%); or
  - (B) if there is a change in the following:
    - (i) asbestos removal or demolition start date;
    - (ii) removal or demolition contractor; or
  - (C) waste disposal site.
- (2) The Permittee shall postmark or deliver the notice according to the guidelines set forth in 326 IAC 14-10-3(2) and 40 CFR 61.145(b)(3).
- (3) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3) and 40 CFR 61.145(b)(4).

All required information shall be submitted to:

Indiana Department of Environmental Management  
Asbestos Section, Office of Air Management  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46204-6015

and

United States Environmental Protection Agency, Region V  
Air and Radiation Division  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

- (b) Procedures for Asbestos Emission Control  
The Permittee shall comply with the emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c).

**Corrective Actions [326 IAC 2-8-4(1)] [326 IAC 2-8-5(1)]**

C.16 Failure to Take Corrective Action

For each unit for which parametric monitoring is required, appropriate corrective actions as described in the Preventive Maintenance Plan shall be taken when indicated by monitoring information. Failure to take corrective action following an excursion of a surrogate monitoring parameter within the indicated time will constitute a violation of the permit unless taking the corrective action set forth in the Plan would be unreasonable.

After investigating the reason for the excursion, the Permittee may be excused from taking further corrective action for any of the following reasons:

- (a) Providing that prompt action was taken to correct the monitoring equipment, that the monitoring equipment malfunctioned, giving a false reading; or
- (b) The Permittee has determined that the parameters established in the permit conditions are technically inappropriate and either:
  - (1) the Permittee has submitted a request for a permit revision, and the request has not been denied; or
  - (2) the Permittee submits a request for a permit revision promptly after determining that the parameters are technically inappropriate.
- (c) An automatic measurement was taken when the process was not operating; or
- (d) The Permittee determines that the process has already returned to operating within "normal" parameters and no corrective action is required.

Records shall be kept of all instances in which the action values were not met and of all corrective actions taken. In the event of an emergency, the provisions of 326 IAC 2-8-12 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.

**C.17 Actions Related to Noncompliance Demonstrated by a Stack Test**

Whenever the results of the stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, appropriate corrective actions shall be submitted to IDEM, OAM within thirty (30) days of receipt of the test results. These actions shall be implemented immediately unless notified by OAM that they are not acceptable. The Permittee shall minimize emissions while the corrective actions are being implemented.

A second test to demonstrate compliance shall be performed within one hundred twenty (120) days. Failure of the second test to demonstrate compliance may be grounds for immediate revocation of the permit to operate the affected facility.

**Record Keeping and Reporting [326 IAC 2-8-4(3)]**

**C.18 Monitoring Data Availability**

All observations, sampling, maintenance procedures, and record keeping, required as a condition of this permit shall be performed at all times the equipment is operating at normal representative conditions. Records shall be kept of the times that the equipment is not operating. If the equipment is operating but abnormal conditions prevail, additional observations and sampling should be taken with a record made of the nature of the abnormality. If for reasons beyond its control, the operator fails to make required observations, sampling, maintenance procedures, or record keeping, reasons for this must be recorded. At its discretion, IDEM may excuse such failure providing adequate justification is documented and such failures do not exceed five percent (5%) of the operating time in any quarter. Temporary, unscheduled unavailability of staff qualified to perform the required observations, sampling, maintenance procedures, or record keeping shall be considered a valid reason.

**C.19 General Record Keeping Requirements**

- (a) Records of all required monitoring data and support information shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be kept at the source location and available within one



hour upon verbal request of an IDEM, OAM representative, for a minimum of three (3) years. They may be stored elsewhere for the remaining two (2) years providing they are made available within thirty (30) days after written request.

- (b) Records of required monitoring information shall include:
  - (1) The date, place, and time of sampling or measurements;
  - (2) The dates analyses were performed;
  - (3) The company or entity performing the analyses;
  - (4) The analytic techniques or methods used;
  - (5) The results of such analyses; and
  - (6) The operating conditions existing at the time of sampling or measurement.
- (c) Support information shall include:
  - (1) Copies of all reports required by this permit;
  - (2) All original strip chart recordings for continuous monitoring instrumentation;
  - (3) All calibration and maintenance records;
  - (4) All preventive maintenance and corrective actions that were implemented. Such records shall briefly describe what was done and indicate who did it;
  - (5) Relevant work purchases orders;
  - (6) Quality assurance and quality control procedures;
  - (7) Operator's standard operating procedures;
  - (8) Manufacturer's specifications or their equivalent; and
  - (9) Equipment "troubleshooting" guidance.
- (d) All record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.20 General Reporting Requirements

- (a) Reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Management  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46206-6015
- (b) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be timely if:
  - (1) Delivered by U.S. mail and postmarked on or before the date it is due; or

- (2) Delivered by any other method if it is received and stamped by IDEM, OAM, on or before the date it is due.
- (c) Unless otherwise specified in this permit any semi-annual report shall be submitted within thirty (30) days of the end of the six (6) month reporting period.
- (d) All instances of deviations from any requirements of this permit must be clearly identified in such reports;
- (e) Any corrective actions taken as a result of an exceedance of a limit, an excursion from the parametric values, or a malfunction that may have caused excess emissions must be clearly identified in such reports.
- (f) The first report shall cover the period commencing the date of issuance of this permit and ending June 30, 1997 or the last day of the quarter in which this permit is issued.

## **SECTION D.1 FACILITY OPERATION CONDITIONS**

One (1) batch mixer capable of producing 300 tons per hour of asphalt and exhausting through a cyclone (CE2) and jet pulse baghouse (CE1) and exiting through stack S1.  
One (1) 79 million British thermal units per hour natural gas fired aggregate dryer also exhausting through a cyclone (CE2) and jet pulse baghouse (CE1) and exiting through stack S1.  
One (1) cyclone (CE2) with an air flow rate of 60,785 actual cubic feet per minute.  
One (1) jet pulse baghouse (CE1) with an air flow rate of 65,000 actual cubic feet per minute.

### **Emissions Limitations and Standards [326 IAC 2-8-4(1)]**

#### **D.1.1 Particulate Matter (PM)**

That pursuant to 326 IAC 6-3-2, particulate matter emissions from the aggregate dryer/mixer shall not exceed 55.0 pounds per hour equivalent to 0.146 grains per dry standard cubic foot, and the particulate matter emissions from the entire asphalt plant shall not exceed 56.8 pounds per hour. Therefore, PSD requirements (326 IAC 2-2) do not apply.

#### **D.1.2 Opacity Limitations**

Visible emissions shall not exceed an average of forty percent (40%) opacity in twenty-four (24) consecutive readings. Visible emissions shall not exceed sixty percent (60%) opacity for more than a cumulative total of fifteen (15) minutes (60 readings) in a six (6) hour period.

#### **D.1.3 Particulate matter less than 10 microns (PM-10)**

Pursuant to 326 IAC 2-8-4, particulate matter - 10 microns emissions from the aggregate dryer/mixer shall not exceed 7.74 pounds per hour, and the particulate matter - 10 microns emissions from the entire asphalt plant shall not exceed 7.95 pounds per hour. Therefore, the Part 70 rules (326 IAC 2-7) do not apply.

### **Testing Requirements [326 IAC 2-8-4(3)]**

#### **D.1.4 Particulate Matter**

Within 180 days after issuance of this permit, the Permittee shall perform PM and PM<sub>10</sub> testing utilizing methods per approved by the Commissioner. This test shall be repeated at least once every five years from the date of this valid compliance demonstration. PM<sub>10</sub> includes filterable and condensable PM<sub>10</sub>.

A test protocol shall be submitted to:

Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Management  
100 North Senate Avenue, P. O. Box 6015  
Indianapolis, Indiana 46206-6015

at least thirty-five (35) days before the intended test date. The Permittee shall develop and submit for approval with the protocol, standard operating procedures to be followed during sampling, handling, analysis, quality control, quality assurance, and data reporting.

### **Compliance Assurance Monitoring Requirements [326 IAC 2-8-5(a)(1)]**

#### **D.1.5 Daily and Weekly Visible Emissions Observations**

- (a) The Permittee shall perform daily visible emissions observations per a method approved by the OAM to determine compliance with operation condition D.1.1.

- (b) The Permittee shall perform weekly visible emissions observations on the cyclone, jet pulse baghouse, scavenger system ductwork and associated components (e.g., hoppers, etc.) for evidence of fugitive emissions, holes, corrosion, audible leaks, and the like. This does not require the use of a certified visible emissions reader.

In the event that visible emissions are detected above the limit required by operation condition D.1.1 or any visible emissions are detected on the external cyclone and jet pulse baghouse components, the Corrective Action Contingency Plan shall be implemented. Corrective action shall be taken within 8 hours of discovery. If the initial corrective action plan does not correct the problem, then additional corrective actions shall be devised within 8 hours of discovery and shall include a timetable for completion. The corrective actions shall be implemented immediately in accordance with those timetables.

D.1.6 Pressure Drop Readings

- (a) The Permittee shall record the total static pressure drop across the baghouse used in conjunction with the aggregate dryer and batch mixer, at least once a day when the dryer or mixer is in operation. Unless operated under conditions for which the Preventive Maintenance Plan specifies otherwise, the pressure drop across the baghouse shall be maintained within a range of 3.0 and 6.0 inches of water or a range established during the latest stack test. The Preventive Maintenance Plan for this unit shall contain troubleshooting contingency and corrective actions for when the pressure drop reading is outside of the above mentioned range for any one reading. The baghouse shall shutdown for visual inspection within 24 hours and bags shall be replaced as needed. The instrument used for determining the pressure shall comply with Condition C.14 - Pressure Gauge Specifications, be subject to approval by IDEM, OAM, and shall be calibrated at least once every six (6) months.
- (b) The inlet temperature to the baghouse shall be maintained within a range of 200-400 degrees Fahrenheit (°F) to prevent overheating of the bags and to prevent low temperatures from mudding up the bags. The thermocouple at the inlet has a temperature switch which automatically shuts the burner off if the high end range is exceeded. In the event that bag failure has occurred due to rupture, melting, etc., corrective action shall be taken. The Preventive Maintenance Plan for this unit shall contain troubleshooting contingency and corrective actions for when the inlet temperature reading is outside of the above mentioned range for any one reading. The baghouse shall shutdown for visual inspection within 24 hours and bags shall be replaced as needed.

D.1.7 Preventive Maintenance [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Condition B.13 of this permit, is required for these facilities.

D.1.8 Periodic Emissions Testing

The Permittee shall perform particulate emissions testing on the aggregate dryer/burner every 5 years in accordance with IDEM requirements.

## **SECTION D.2 FACILITY OPERATION CONDITIONS**

Four (4) emulsified asphalt storage tanks (TV4, TV5, TV6, TV7) with capacities of 25,000 gallons, each.

Two (2) liquid asphalt storage tanks (TV2, TV3) with capacities of 25,000 gallons each, heated by a 2.50 million British thermal units per hour natural gas fired heater.

- D.2.1 That storage tanks (TV2, TV3, TV4, TV5, TV6, and TV7) shall comply with the New Source Performance Standards (NSPS), 326 IAC 12 (40 CFR Part 60.116b only, Subpart Kb). 40 CFR Part 60.116b requires the permittee to maintain accessible records showing the dimension of each storage vessel and an analysis showing the capacity of the storage vessel. Records shall be kept for the life of the storage tanks.

State Form 47738 (5-96)

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR MANAGEMENT  
COMPLIANCE DATA SECTION**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)  
CERTIFICATION**

Source Name: Rogers Group, Inc. - Bloomington Asphalt  
Source Address: 1100 Oard Road, Bloomington, Indiana 47401  
FESOP No.: F 105-7579-03182

**This certification shall be included when submitting monitoring, testing reports/results  
or other documents as required by this permit.**

Please check what document is being certified:

- 9 Deviation Occurrence Reporting Form (For Control Equipment Monitoring)
- 9 Deviation Occurrence Reporting Form (For Material Usage, Quality, Etc.)
- 9 Test Result (specify) \_\_\_\_\_
- 9 Report (specify) \_\_\_\_\_
- 9 Notification (specify) \_\_\_\_\_
- 9 Other (specify) \_\_\_\_\_

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR MANAGEMENT  
COMPLIANCE DATA SECTION**

Source Name: Rogers Group, Inc. - Bloomington Asphalt  
Source Address: 1100 Oard Road, Bloomington, Indiana 47401  
FESOP No.: F 105-7579-03182

Stack/Vent ID:	
Control Equipment: (ex: thermal oxidizer, scrubber, baghouses)	
Type of Parameter Monitored: (ex: temperature, pressure drop, efficiency)	
9 Continuously	9 Periodically, at a frequency of:
Parameter Operating Restrictions/Range: (ex: 1,400°F, 2-4 psi pressure drop)	
Report Covers From: (date: month/day/yr)	To:
9 No Deviations from the Parameter Restriction/Range Occurred During the Monitoring Period. Complete Records Maintained at the Facility Verify Compliance with this Condition.	
9 Summary of Deviations from the Parameter Restriction/Range During the Monitoring Period are Identified Below. Complete Records Maintained at the Facility.	

	For Parameter Recorded Continuously	For Parameter Recorded Periodically
Total Unit Operating Time		
Total Time of Deviations (Identify All Deviations)		
Percent of Time Indicating Deviations ([2]/[1]x100)		

Date of Deviation	Start/Stop Time of Deviation (Continuous Monitoring Only)	Actual Value Recorded	Reason for Deviation & Corrective Action Taken

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**

## OFFICE OF AIR MANAGEMENT COMPLIANCE DATA SECTION

### FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) DEVIATION OCCURRENCE REPORT

Source Name: Rogers Group, Inc. - Bloomington Asphalt  
Source Address: 1100 Oard Road, Bloomington, Indiana 47401  
FESOP No.: F 105-7579-03182

A separate copy of this report must be submitted for **each** material type, quantity usage and operation limitation (except control equipment monitoring) listed in this permit.  
Attach a signed certification to complete this report.

Stack/Vent ID:

Equipment/Operation:

Parameter Subject to Material Type, Quantity Usage or Operation Limitations Specified in the Permit:  
(ex: 2500 lb/day, 300 hours/yr, 5000 gallons/month)

Determination Period for this Parameter:  
(ex: 365-day rolling sum, fixed monthly rate)

9 Permit Has No Rate Limitations for this Parameter.

Content Restriction for this Parameter:  
(ex: maximum of 40% VOC in inks, 0.5% sulfur content)

Demonstration Method for this Parameter:  
(ex: MSDS, Supplier, material sampling & analysis)

9 Permit Has No Content Limitations for this Parameter.

Comments:



## **Indiana Department of Environmental Management Office of Air Management**

### **Technical Support Document (TSD) for a Permit Revision to a Federally Enforceable State Operating Permit**

#### **Source Background and Description**

<b>Source Name:</b>	<b><i>Rogers Group, Inc. - Bloomington Asphalt</i></b>
<b>Source Location:</b>	<b><i>1100 Oard Road, Bloomington, Indiana 47401</i></b>
<b>County:</b>	<b><i>Monroe</i></b>
<b>SIC Code:</b>	<b><i>2951</i></b>
<b>Operation Permit No.:</b>	<b><i>105-7579-03182</i></b>
<b>Operation Permit Issuance Date:</b>	<b><i>June 19, 1997</i></b>
<b>Permit Revision No.:</b>	<b><i>105-12036-03182</i></b>
<b>Permit Reviewer:</b>	<b><i>Spahi</i></b>

The Office of Air Management (OAM) has reviewed a revision application from Rogers Group, Inc. - Bloomington Asphalt relating to changing the existing wet scrubber for air pollution control on the batch mixer and the aggregate dryer to a jet pulse baghouse.

#### **History**

On March 15, 2000, Rogers Group, Inc. - Bloomington Asphalt submitted an application to the OAM requesting to replace their existing wet scrubber with a jet pulse baghouse. Rogers Group, Inc. - Bloomington Asphalt was issued a Federally Enforceable State Operating Permit (FESOP) on June 19, 1997.

#### **Enforcement Issue**

There are no enforcement actions pending.

#### **Recommendation**

The staff recommends to the Commissioner that the Minor Permit Revision be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An application for the purposes of this review was received on March 15, 2000.

## Justification for Revision

The Federally Enforceable State Operating Permit (FESOP) is being modified through a FESOP Minor Permit Revision. This revision is being performed pursuant to 326 IAC 2-8-11.1(d)(3) because any modification to a pollution prevention control project as defined in 326 IAC 2-1.1-1 that does not increase the potential to emit of any regulated pollutant greater than the thresholds under subsection (e)(1), but requires a significant change in the method or methods to demonstrate or monitor compliance. The potential to emit (PTE) from the modification (there is no change in the PTE of the source) is less than the thresholds established in 326 IAC 2-8-11.1(f)(1); therefore, a Significant Permit Revision is not required.

## Federal Rule Applicability

- (a) This source still is not subject to the requirements of the New Source Performance Standard, 326 IAC 12, (40 CFR Part 60.90 through 60.93, Subpart I) "Standards of Performance for Hot Mix Asphalt Facilities" because the plant was built or modified before June 11, 1973. The replacing of a pollution prevention project ( wet scrubber with a baghouse) is not considered a modification to the source under the rules of New Source Performance Standard, 326 IAC12, (40 CFR Part 60.90(a), Subpart I).
- (b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs)(326 IAC 14 and 40 CFR Part 63) applicable to this source.

## Compliance Requirements

Permits issued under 326 IAC 2-8 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAM, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-8-4. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

Some of the compliance monitoring requirements applicable to this source have changed. The monitoring requirements for the control have been revised as a result of replacing the wet scrubber with a jet pulse baghouse. The revised applicable compliance monitoring requirements are as follows:

1. The mixing and drying operation has applicable compliance assurance monitoring conditions as specified below:

- (a) The Permittee shall record the total static pressure drop across the baghouse used in conjunction with the aggregate dryer and batch mixer, at least once a day when the dryer or mixer is in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouse shall be maintained within a range of 3.0 and 6.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading. The instrument used to determine the pressure shall comply with Section C - Pressure Gauge Specifications, of this permit, shall be subject to approval by IDEM, OAM and shall be calibrated at least once every six (6) months.
- (b) The inlet temperature to the baghouse shall be maintained within a range of 200-400 degrees Fahrenheit (°F) to prevent overheating of the bags and to prevent low temperatures from mudding up the bags. The thermocouple at the inlet has a temperature switch which automatically shuts the burner off if the high end range is exceeded. In the event that bag failure has occurred due to rupture, melting, etc., corrective action shall be taken. The Preventive Maintenance Plan for this unit shall contain troubleshooting contingency and corrective actions for when the inlet temperature reading is outside of the above mentioned range for any one reading. The baghouse shall shutdown for visual inspection within 24 hours and bags shall be replaced as needed.

These monitoring conditions are necessary because the baghouse for the drying and mixing process must operate properly to ensure compliance with 326 IAC 6-3 (Process Operations) and 326 IAC 2-8 (FESOP).

## **Conclusion**

The operation of this batch mix asphalt plant shall be subject to the conditions of the attached proposed FESOP Minor Permit Revision No. 105-12036-03182.